

CAPACITOR DISCHARGE STUD WELDING MACHINE

CD 1100

Lightweight capacitor discharge stud welder | Stud capacity: M3 to M8



INTRODUCTION

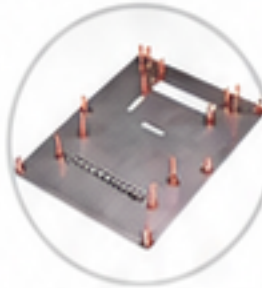
The CD 1100 is a compact, lightweight capacitor discharge stud welding machine designed for high-quality, leak-free welds. Ideal for joining small diameter studs to thin base metals, it delivers a fast welding cycle in 2–3 milliseconds as thin as 0.02 inches. The minimal heat input and shallow penetration depth make it perfect for smaller diameter ferrous and non-ferrous studs on thin gauge base metals.

TECHNICAL SPECIFICATIONS

	Stud welding range	M3 to M8
	Welding method	Tip ignition
	Power source	Capacitor Bank
	Capacitance	66000 Micro Farhad
	Charging voltage	50 to 200V Variable
	Welding time	0.001–0.003 Sec
	Welding speed	Upto 10 studs per min, depending on stud diameter
	Power supply	230 Volts 50 Hz Single Phase
	Welding cable	3 Mtrs Highly Flexible
	Ground cable	2 × 3 Mtrs Highly Flexible
	Dimensions	490 mm × 200 mm × 310 mm (L × W × H)
	Weight	20 Kgs without cables



APPLICATIONS



Base Plates



Lids & Covers



Containers



Brackets



Thin Structures

FEATURES



Password Protection



Display & Keyboard to Set & Save Parameters



Weld Counter

KEY ADVANTAGES



Uniform High Welding Quality



No Re-working Necessary on the Other Side of the Weld



Elimination of Different Operations Such as Drilling, Rivetting Etc.



Application to Different Materials



No Additional Material Necessary Such as Flux, Inert Gas



No Leakages Even When Welding on Containers

CAPACITOR DISCHARGE STUD WELDING ADVANTAGES



SUPERIOR QUALITY

Consistent, high-strength welds every time.



BETTER PRODUCTIVITY

Faster cycles with minimal heat and maximum efficiency.



COST EFFECTIVE OPERATIONS

Lower operating costs with less rework and consumables.



ABOUT ARTECH

Artech is a specialist partner to hundreds of industries using capacitor discharge welding technology. One of the few companies, globally, to develop the capacitor discharge welding technology, Artech comes with proven capabilities to help small & large companies from various industries improve their welding productivity and drive product innovations through better welding technology.